

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Electronics and Communication Engineering

Specialization: Digital Communication

SEMESTER: I

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	MT1101	Research Methodology & IPR	70	15	10	05	-	-	-	100	3	1	-	04	One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.
2	MTDC1102	DSP & Its Applications	70	15	10	05	-	-	-	100	3	1	-	04	
3	MTDC1103	Advanced Digital Communication	70	15	10	05	-	-	-	100	3	1	-	04	
4	MTDC1104	Modern Telephone Switching System	70	15	10	05	-	-	-	100	3	1	-	04	
5	MTDC1105	Microcontroller System	70	15	10	05	-	-	-	100	3	1	-	04	
6	MTDC1106	Digital Signal Processing Lab	-	-	-	-	70	15	15	100	-	-	4	02	
7	MTDC1107	Microcontroller lab	-	-	-	-	70	15	15	100	-	-	4	02	
8	MT1108	# Audit Course I (Value Education)	35	-	10	05	-	-	-	50	2	-	-	00	
Total			350	75	50	25	140	30	30	700	17	05	08	24	700

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

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SEMESTER: II

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	Refer Table- I	Professional Elective -I	70	15	10	05	-	-	-	100	3	1	-	04	One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.
2	MTDC 1202	Data Communication & Computer Network	70	15	10	05	-	-	-	100	3	1	-	04	
3	MTDC 1203	Optical Communication	70	15	10	05	-	-	-	100	3	1	-	04	
4	MTDC 1204	Wireless & Mobile Communication	70	15	10	05	-	-	-	100	3	1	-	04	
5	MTDC 1205	Antenna Engineering & Design	70	15	10	05	-	-	-	100	3	1	-	04	
6	MTDC 1206	Advance Communication & Networking Lab	-	-	-	-	70	15	15	100	-	-	4	02	
7	MTDC 1207	Optical Communication Lab	-	-	-	-	70	15	15	100	-	-	4	02	
8	MT 1208	# Audit Course II(English for Research Paper Writing)	35	-	10	05	-	-	-	50	2	-	-	00	
Total			350	75	50	25	140	30	30	700	17	05	08	24	700

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

Table I: Core Elective-I

Subject Code	MTDC12101	MTDC12102	MTDC12103
Name of Professional Elective Subject	Satellite Communication	Speech Processing	Artificial Intelligence

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SEMESTER: III

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table- II	Open Elective	70	15	10	05	-	-	-	100	3	1	-	04 One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.		
2	Refer Table -III	Professional Elective-II	70	15	10	05	-	-	-	100	3	1	-		04	
5	MTDC1303	Pre-Dissertation	-	-	-	-	200	50	50	300	-	-	12		06	
Total			140	30	20	10	200	50	50	500	6	2	12	14	500	

Table II: Open Elective

Subject Code	MT13101	MT13102	MT13103
Name of Open Elective Subject	Industrial Safety	Waste to Energy	Cost Management of Engineering Projects

Table III: Core Elective-II

Subject Code	MTDC13201	MTDC13202	MTDC13203
Name of Professional Elective Subject	Information Theory & Coding	Embedded System Design	Digital Image Processing

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SEMESTER: IV

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week	Total Credits	Remark			
			Theory Slot				Practical Slot								
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance	Total Marks						L	T	P					
1	MTDC1401	Dissertation	-	-	-	-	300	100	100	500	-	-	32	16	One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.
Total			-	-	-	-	300	100	100	500	-	-	32	16	500

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical